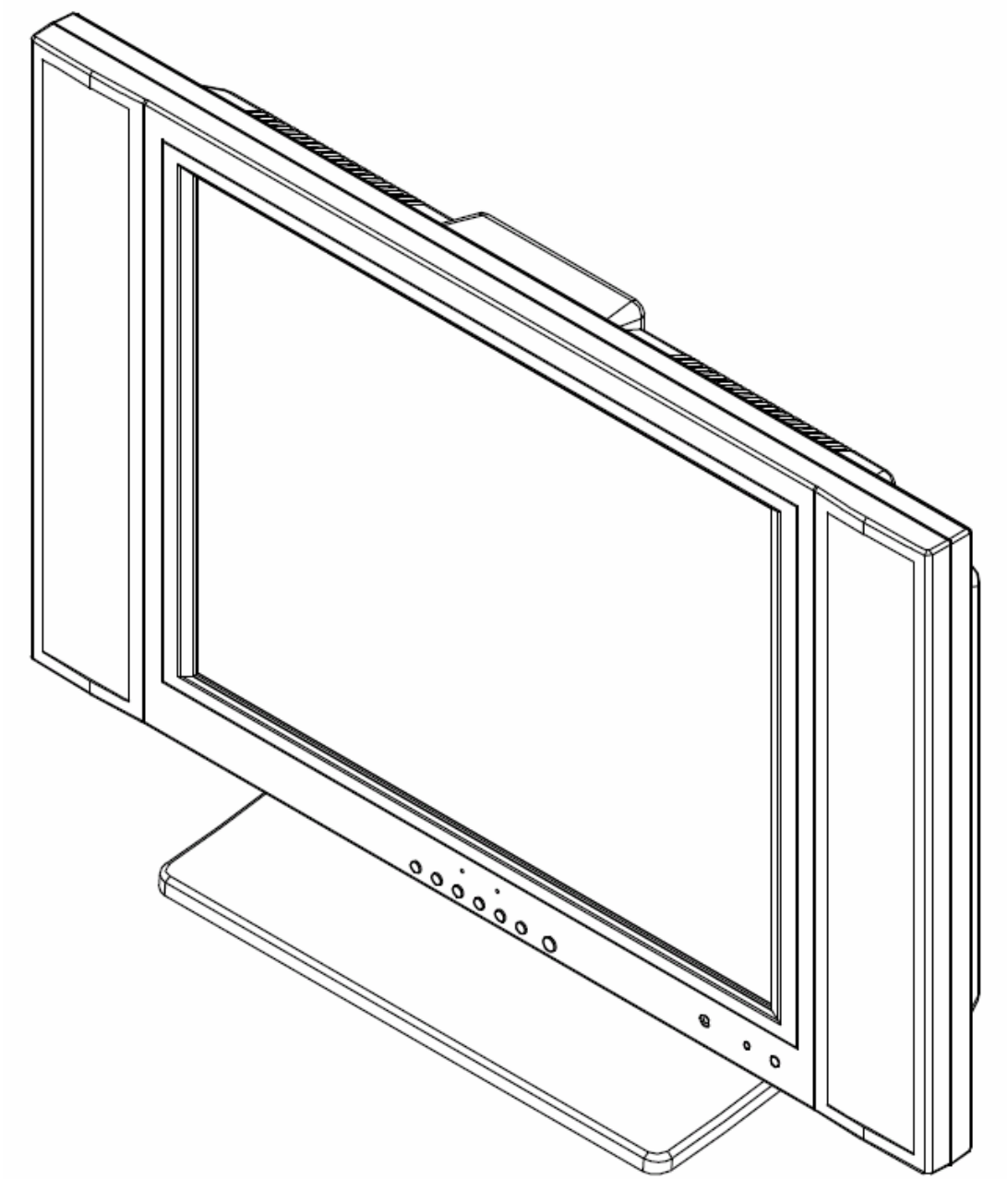
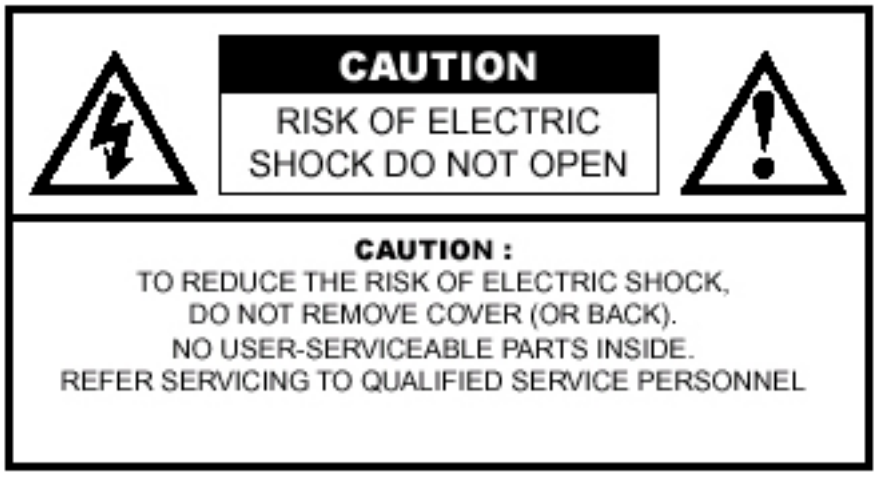


USER MANUAL

Color TFT-LCD TV

Safety Instructions:


CAUTION
RISK OF ELECTRIC
SHOCK DO NOT OPEN
CAUTION :
TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

The Lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "DANGEROUS VOLTAGE " within the product's enclosure that may be of sufficient magnitude to constitute a risk or electric shock to persons.

The Exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing instructions in the literature accompanying the product).

Important Safety Instructions:

Read Instructions

All the safety and operating instructions should be read before the product is operated.

Retain Instructions

The safety and operating instructions should be retained for future references.

Heed Warnings

All Warnings on the product and in the operation instructions should be adhered to.

Follow Instructions

All Operating and user instructions should be followed.

Cleaning

Unplug this product from the wall outlet before cleaning. DO NOT use liquid cleaners or aerosol cleaners. Use damp Cloth for cleaning.

Attachments

DO NOT use attachments not recommend by the product manufacturer they may cause hazards.

Keep Away From Heated Areas

Do not place the LCD TV near heat; for example, near a radiator, stove, or other heating device.

Water

DO NOT use this product near water. For example: Avoid placing it near bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

Important Safety Instructions Continued

Cabinet Slots

NEVER push objects or any kind into the unit through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. NEVER spill liquid of any kind on the product.

Ventilation

DO NOT block any ventilation openings. Install in accordance with manufacture's instructions. Slots and openings in the cabinet and the back and bottom are provided for ventilation, and to ensure reliable operation of the product and to protect it from Overheating. These openings must NOT be blocked or covered. There should be at least 10cm of space from these openings. The openings should never be blocked by placing the unit on a bed, rug or other similar surface. This product should NOT be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

Grounding or Polarization

This product may be equipped with a polarized alternating current line plug (a plug having one blade wider then the other). This plug will fit the power outlet only one way.
This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. DO NOT defeat the safety purpose of the polarized plug.

Power - Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

UL Safety Remark□AC Adaptor□

This product is intended to be supplied by a listed power unit marked “class 2”, “Limited Power Source” or “LPS” and output rated +12Vdc, and 5.0A or equivalent statement provided in operating manual, if power unit is not provided with product.

Power Sources

This product should be operated only from the type of power source indicated on the rear panel. If you are not sure of the type of power supply to your home consult your product dealer or local power company.

Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for a long period of time, unplug it from the outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

Overloading

DO NOT overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.

Important Safety Instructions Continued

Damages Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally after following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper Adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- If the product has been dropped or damaged in any way.
- When the product exhibits a distinct change in performance - this indicates a need for service.

Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. UNAUTHORIZED substitution may result in fire, electric shock or other hazards.

Safety Check

Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Heat

The Product should be situated away from heat source such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.

Mounting

DO NOT place this product on an unstable cart, stand, tripod, bracket, or table.
The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Any mounting of this product should follow the manufacture's instructions, and should use a mounting accessory recommended by the manufacturer.

Operate

Do not apply excessive force to operate the switch, control key and connector. Disconnect the power plug from the AC outlet before you move the unit.

Screen care

Do not touch the screen directly with your fingers. You may damage the screen, oil from your skin is difficult to remove.
Do not apply pressure to screen. The LCD is very delicate.

Installation

Please install the LCD in a cool, dry and clean area, avoid heat, or excessive vibration, dust, humidity, extreme cold and magnetic devices.

Important Safety Instructions Continued

Important Information Regarding Use of Video Games, Computer, Captions or other Fixed Image Displays.

The Extended use of a fixed image program material can cause permanent "Shadow Image" on the LCD Panel. The Background image is viewable on normal programs in the form of stationary fixed image. This type of irreversible LCD panel deterioration can be limited by observing the following steps:
Reduce the brightness/contrast setting to a minimum viewing level.
DO NOT display the fixed image for extended periods of time.
Turn the power off when not in actual use.

Recycling

This product utilizes tin-lead solder, and has a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact you local authorities, or the Electronics Industries Alliance: http://www.eiae.org/

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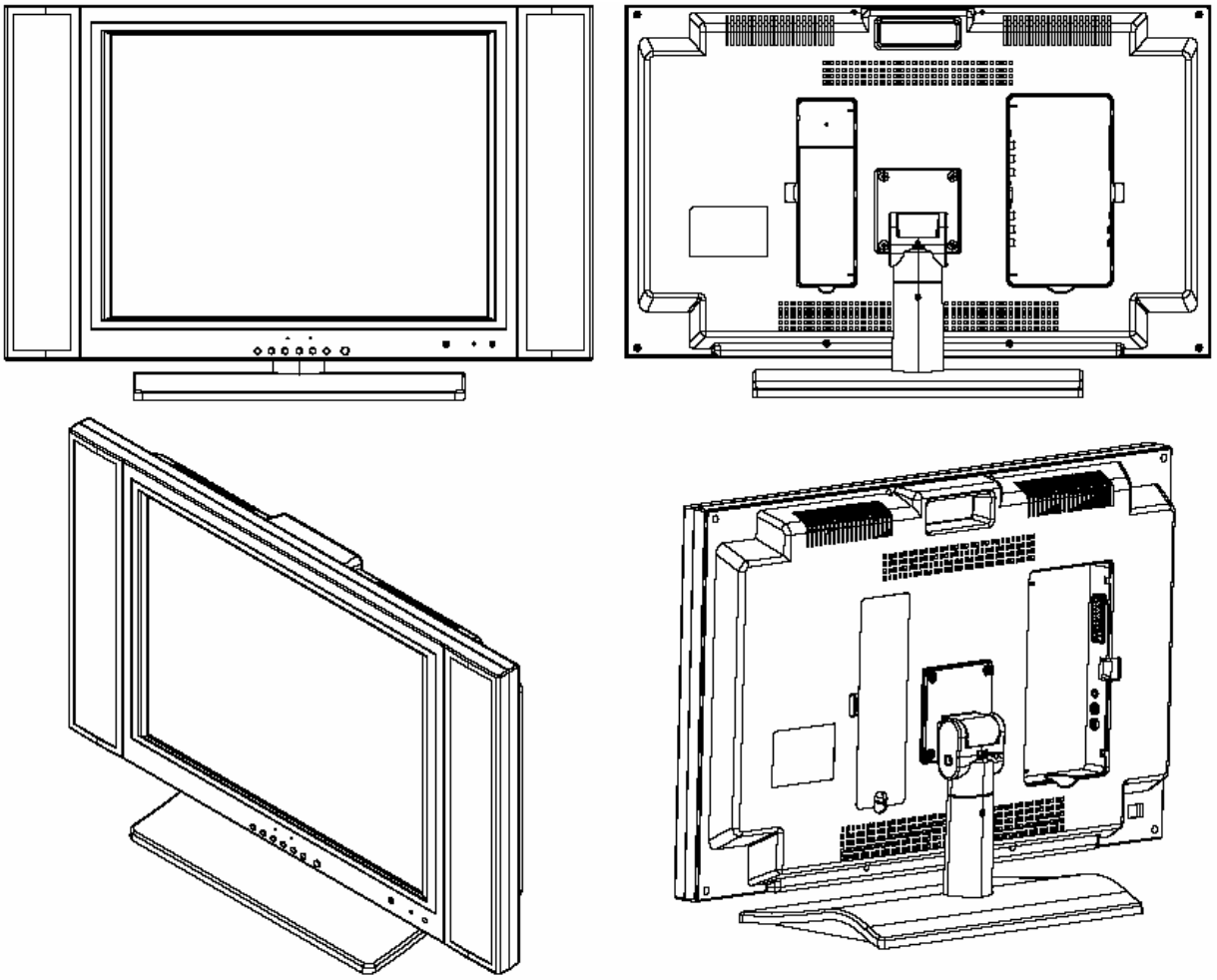
1. INTRODUCTION

Product Description

Thank you for choosing the LCD Color TV/Monitor and for your continued support and use of our products.

The LCD features a 20" color-active matrix, Thin-Film-Transistor (TFT) Liquid Crystal Display (LCD) to provide superior display performance. This new generation of TFT-LCD incorporates a high quality display in a lightweight module, as such the unit has power-saving capabilities. There are many benefits from this TFT-LCD namely comfort, safety, and environmental protection. Other outstanding features include freedom from video oscillations and selection of various choices of digital video and audio signal inputs.

In addition the TFT-LCD display allows On Screen Display (OSD) functions that can operate from the convenience of a remote control.

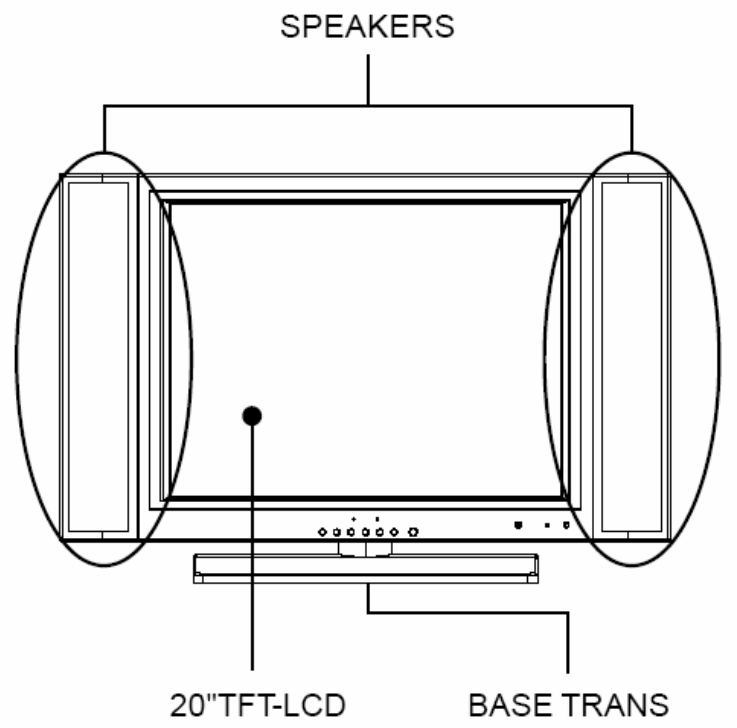


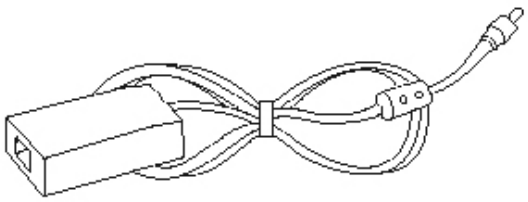
Product Features

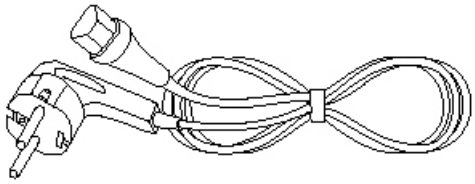
- 20” Color-Active Matrix, Thin-Film-Transistor□TFT□Liquid Crystal Display□LCD□
- 1,440,000 High-Resolution Provides Greater Details.
- 500cd/m^2 High-Brightness Panel Offers Clear Visuals.
- Super Wide Viewing Angle: Horizontal: 160º, Vertical: 160º.
- Low Power Consumption; Saving 50% Power Than Conventional TV.
- Full-Frequency Channel Receive Capability.
- AV-Terminal Input and S-Video Inputs For High-Quality Pictures.
- Slim Space-Saving Design. 70% Smaller Than CRT Monitors.
- 500:1 High Contrast Ratio Provides Optimum Picture Quality.
- Multiple Input Terminals offers Greater Convenience.
- User-Friendly On Screen Display Function.
- Full Function Remote Control.

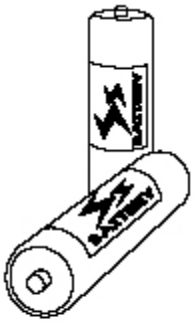
Package Contents

Please check the LCD TV Package to make sure it contains the following items:



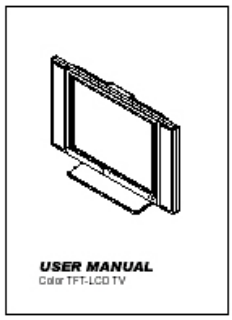






Battery

Remote Control

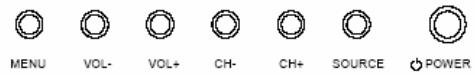


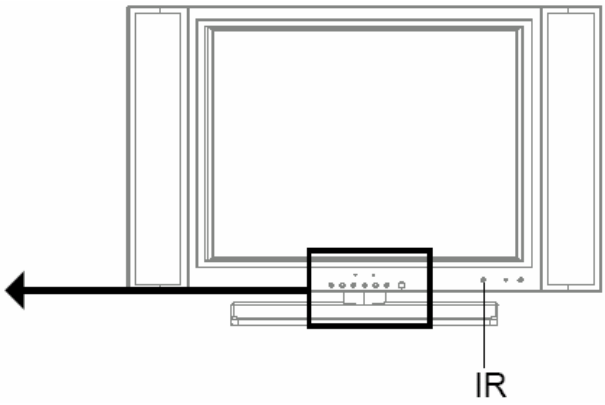
User Manual

2. SYSTEM SETUP

Front Panel & Remote Control Function

TOP PANEL :





Front Panel:

MENU □ Menu Button: Selects command function

VOL - □ Volume down Button: decreases volume

VOL + □ Volume up Button: Increases volume

CH + □ Channel up Button: Increases setting channel

CH - □ Channel down Button: Decreases setting channel

Source □ Selects Video Source

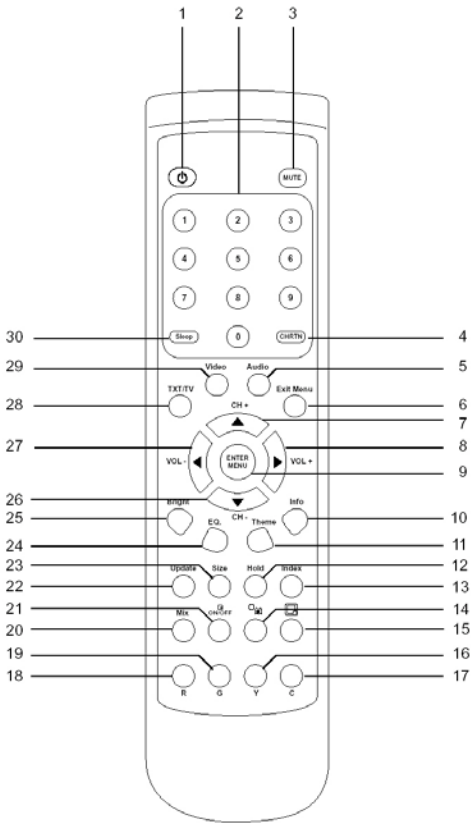
POWER □ Power Button: Power on/off control

IR □ Remote IR detect window: Receives IR signal from remote control

Remote Control Unit

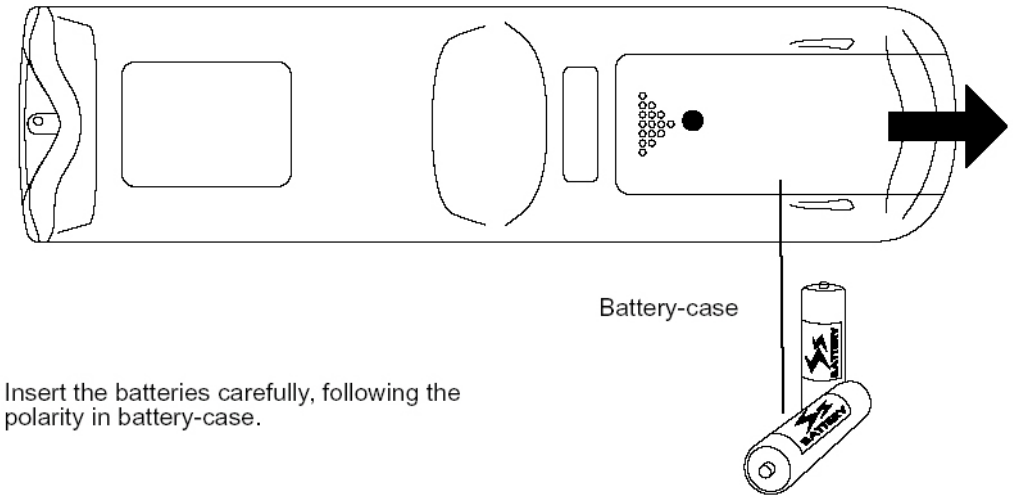
Remote Control Buttons□

1. POWER - Power on or off.
2. NUMBER KEYS - Press these buttons to select items. (Support TV and Teletext function)
3. MUTE - Turns volume off.
4. CHRTN - Recalls the last channel that was viewed. (Only for TV)
5. Audio - Switch the Audio source
6. Exit Menu - When the OSD (On-Screen-Display) displayed, press this button to exit the main menu.
7. CH+ - Increase TV channel setting. With the OSD (On-Screen-Display) displayed, press this button to select up.
8. VOL+ - Use to increase volume. With the OSD (On-Screen-Display) displayed, press this button to select right.
9. ENTER/MENU - Display the Main Menu on the screen and Press the button to confirm functions.



10. Info: Display the present channel number. (Press once to display, press again to exit)
11. Theme - Smart video theme function for adjustment on video effect to Rich, Multimedia, Nature, Soft.
12. Hold - Toggle to hold on and off for current Teletext page. (Only for Teletext function)
13. Index - Only for Teletext function used.
13.1 In Fastext mode: Request the index page.
13.2 In Top mode: Toggle the system between Hi list Menu and current display page.
14. NA
15. NA
16. Y - Yellow
17. C - Cyan
18. R - Red
19. G - Green
Item# 16~19: Request the associated page in the acquisition mode. The color keys' functions would follow the bottom row of the screen in corresponding modes. (Only for Teletext function)
20. NA
21. NA
22. Update - Update the information of the Teletext page. (Only for Teletext function)
23. Size - Select the size of the current Teletext page. (Only for Teletext function used)
24. EQ - 5 preset sound theme, Switch between POP, Classic, Jazz, Voice, Flat.
25. BRIGHT - For 3 step Brightness adjustment, Dark, Standard, Light.
26. CH- - decrease TV channel setting. With the OSD (On-Screen-Display) displayed, press this button to select down.
27. VOL- - Use to decrease volume. With the OSD (On-Screen-Display) displayed, press this button to select left.
28. TXT/TV - Switch the Remote function to operate Teletext or TV functions.
29. Video- Hot key for entering Video Mode.
30. Sleep - Press this button to set to turn the unit off automatically. (You can choose of, Channel 51, please press Memory button and then press the Number Keys (0~9) to be your favorite channel. (Only for TV)

Remote Control Battery Installation/Removal:

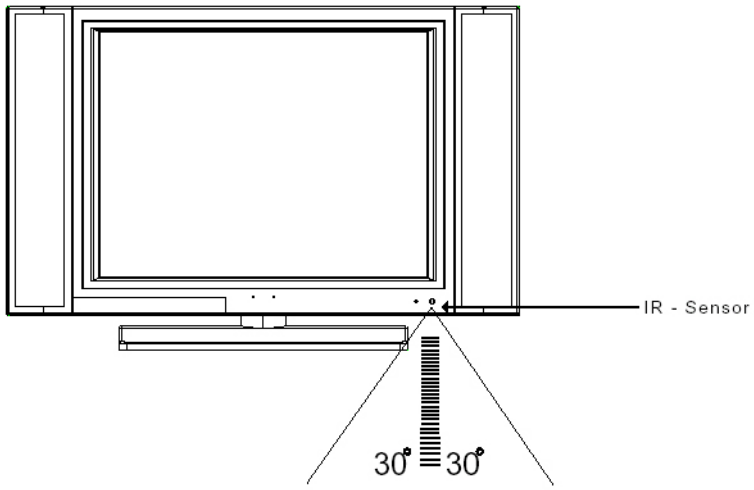


Insert the batteries carefully, following the polarity in battery-cases.
Change the batteries if the remote control doesn't operate.

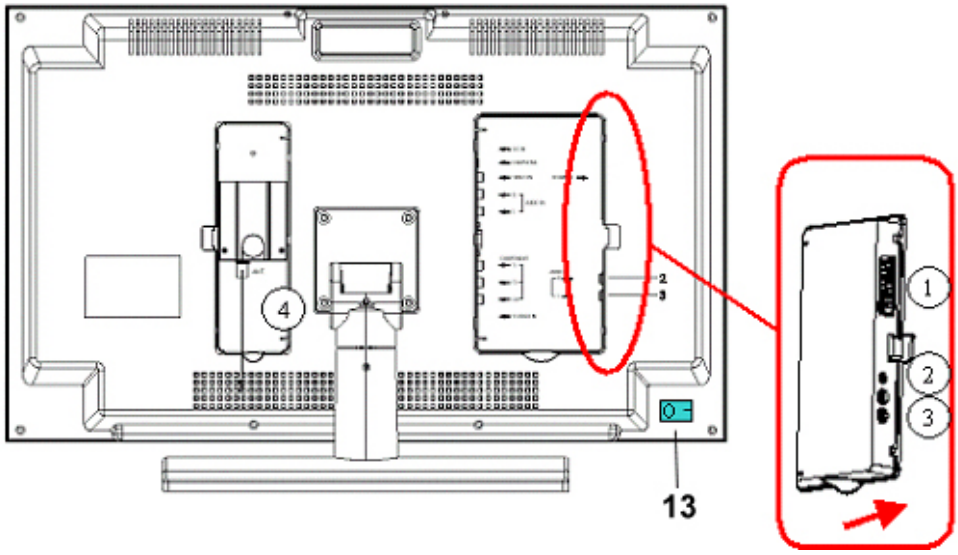
By changing the batteries follow
The environmental restrictions of your country!

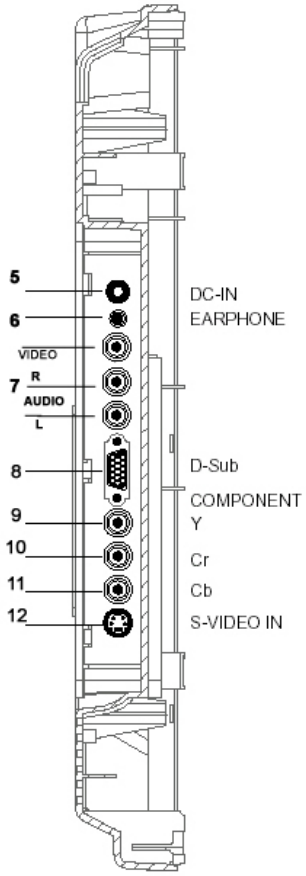
Remote Control Operating Instruction:

The Remote Control Transmission consists of an Infrared (IR) Signal.
Make sure the line-of-sight between Remote Control and LCD is clear of objects that could interfere with the remote IR signal. Always point the Remote Control directly at the LCD sensor.



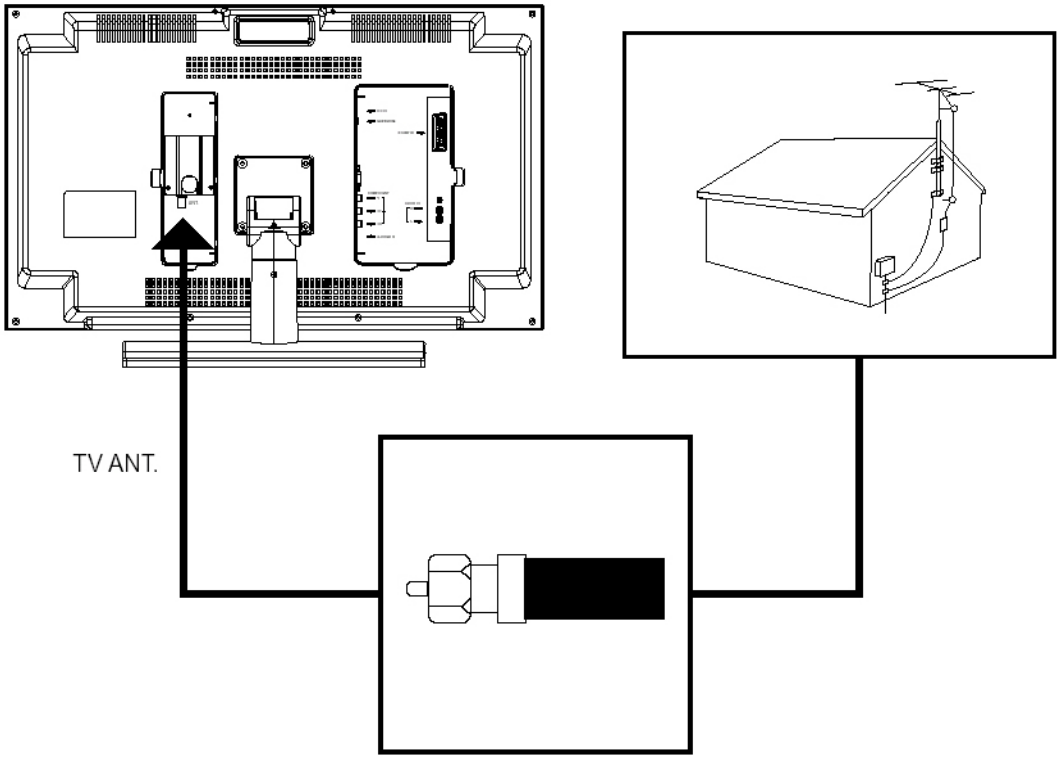
Input/Output Signal Connections



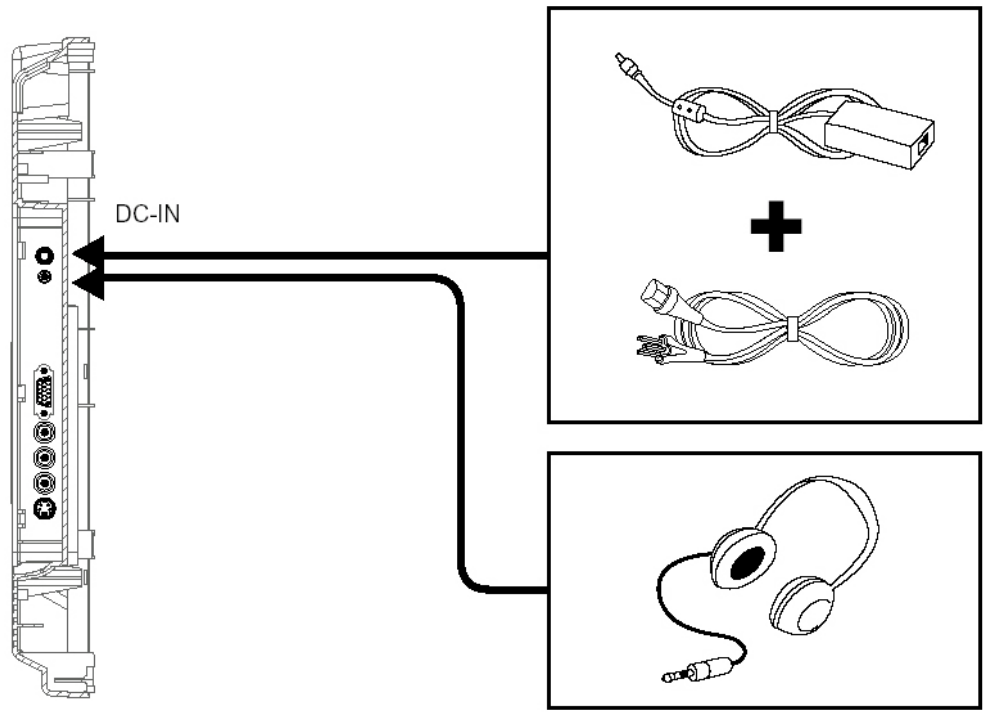


1. SCART INPUT
2. RIGHT AUDIO INPUT
3. LEFT AUDIO INPUT
4. ANT. CABLE INPUT
5. POWER ADAPTER INPUT
6. EARPHONE OUTPUT
7. AV INTPUT
8. D-Sub (For Service)
9. Y
10. Cr
11. Cb
12. S-Video INPUT
13. POWER SWITCH

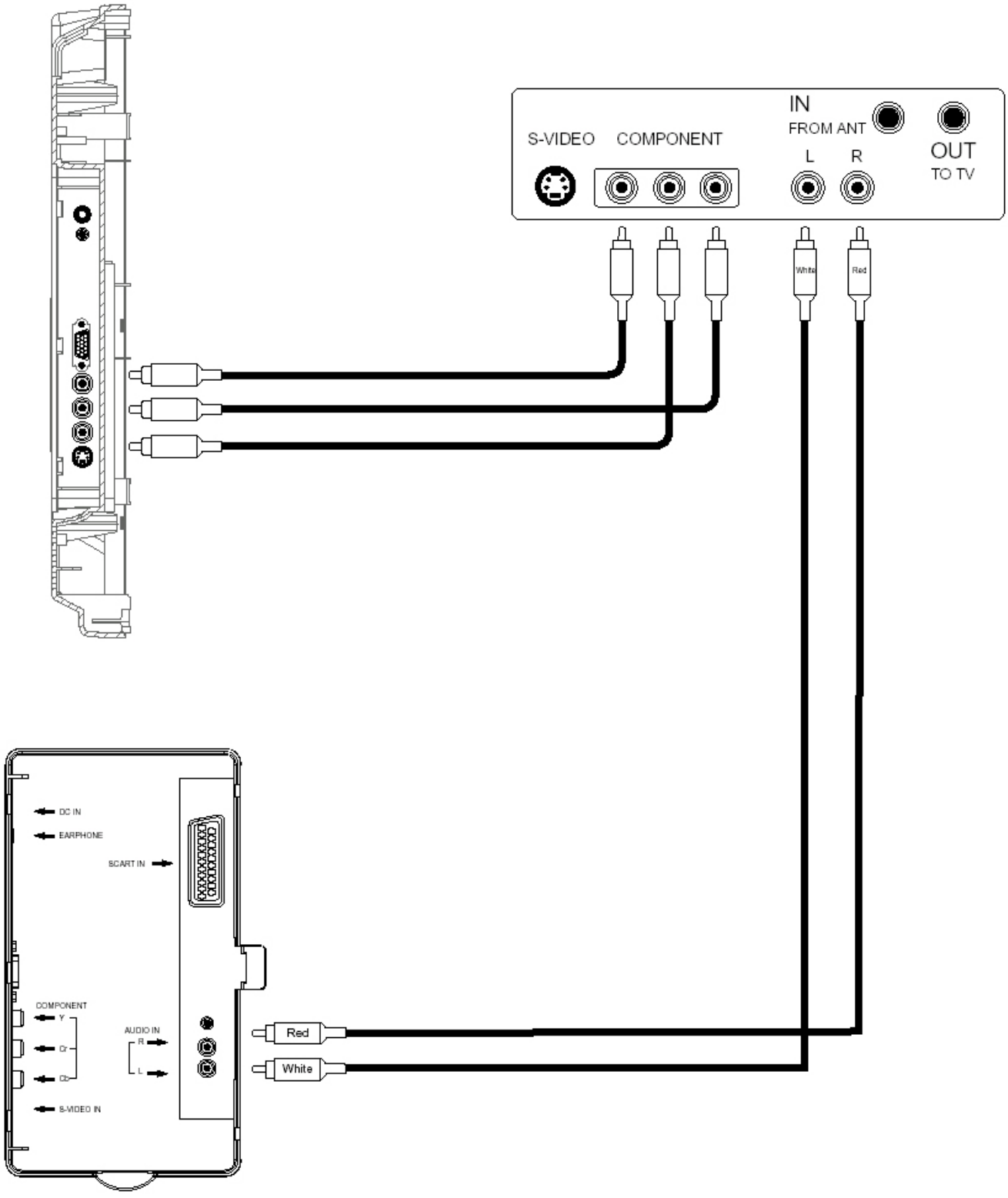
Connecting TV Cable



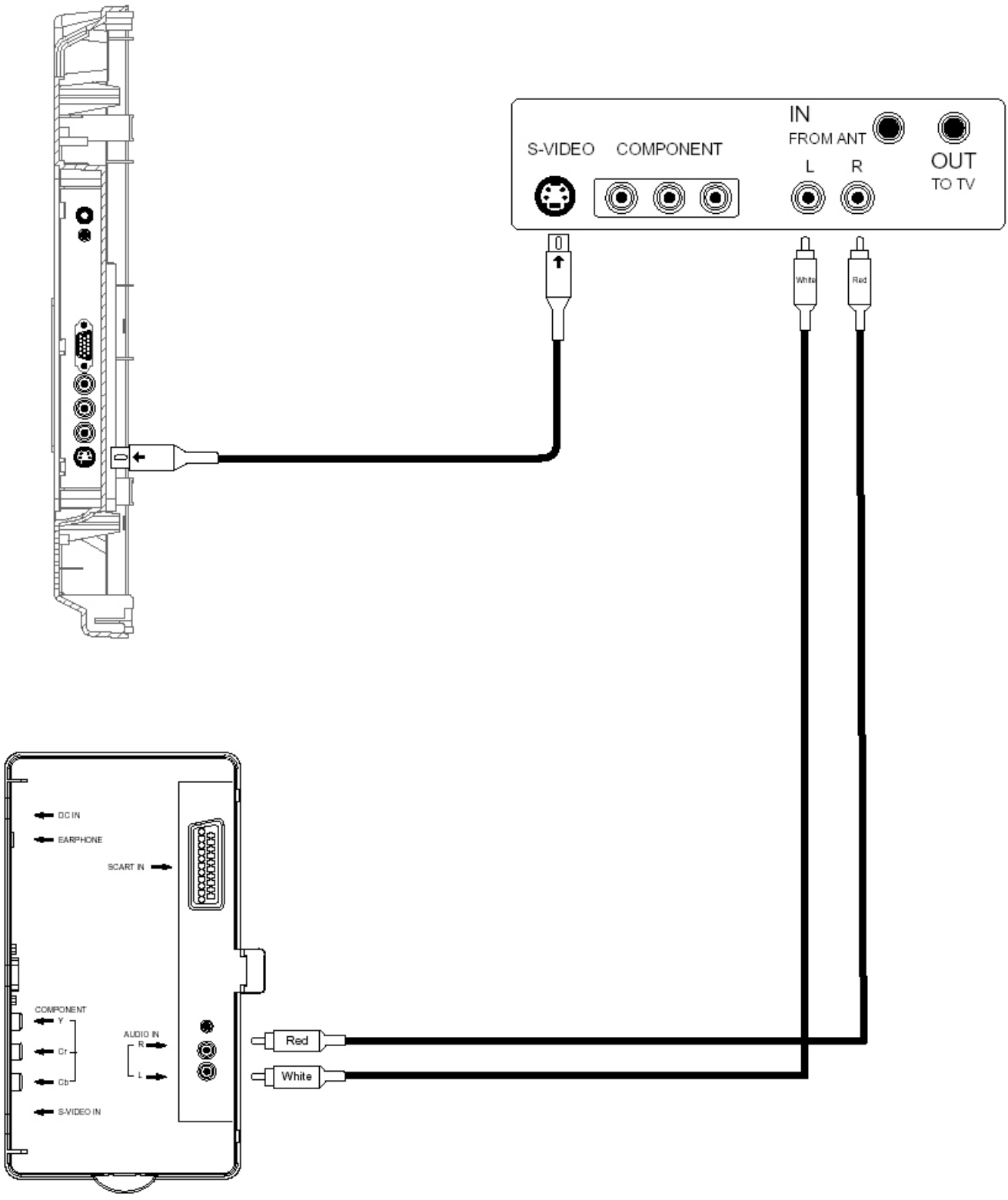
DC Power Socket



Connecting to AV-terminal equipment such as DVD, VCR, and Gaming Console.



Connecting to S-Video terminal equipment such as DVD, VCR or Gaming Console.



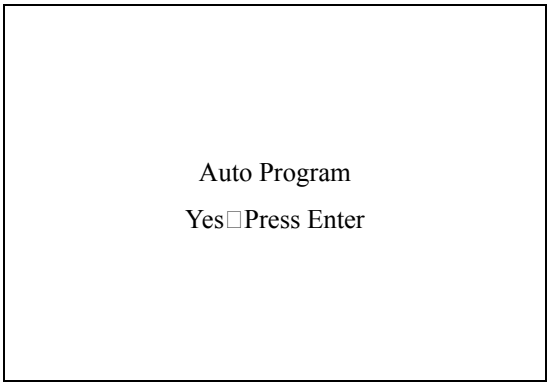
3. LCD TV OPERATING INSTRUCTIONS

First time to Configure the TV-System

Press POWER button on the remote control. The Power indicator instantaneously changes from red to green. The main unit is then turned on with the setup menu displayed on the unit's screen. Press the up/down button on the remote control to choose the country where you are using the TV.

NOTE :

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

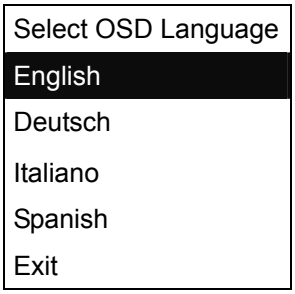


After selecting the country, the Auto Program menu should be showing on the screen.

Press Enter and the automatic channel search starts. The TV-Tuner will automatically scan all cable or air TV frequencies for available channels. All channels found will be stored in sequence.

If you use a TV connection over satellite, your satellite receiver searches and stores the TV channels.

After auto programming, the OSD Language menu should be showing on the screen.



Press the up/down button on the remote control to choose the desired language. Then press ENTER / MENU button to confirm.

- The above setting is only required for initial set up.
- If you lose power after auto scan, press the Power button again.
- If the initial setup has been done, you don't have to do the above setting.

The other way to restart this initial setup is to choose the "Reset TV" option under the TV setup menu, which can be found under the Main Menu Display.

TV and AV Operating Instructions

Press the□Enter/Menu□button to display the following Main Menu□

Main Disp Operating Instructions

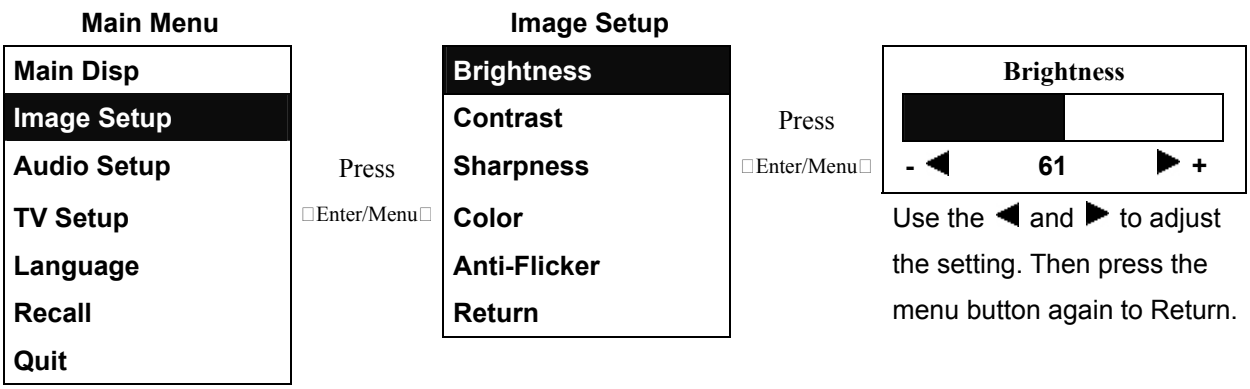
Level1		Level2	Level3 / Function
Main Menu		**Main Disp**	
Main Disp		**TV**	1. TV - TV Input Signal
Image Setup		**AV**	2. AV - A-Video Input Signal
Audio Setup	Press	**SV**	3. SV – S-Video Input Signal
TV Setup	□Enter/Menu□	**Y Cb Cr**	4. Y Cb Cr - Component Input Signal
Language		**SCART AV**	5. SCART AV
Recall		**SCART RGB**	6. SCART RGB
Quit		**Return**	7. Return - Back to Main Display

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Image Setup Operating Instructions – Brightness

Level1	Level2	Level3 / Function



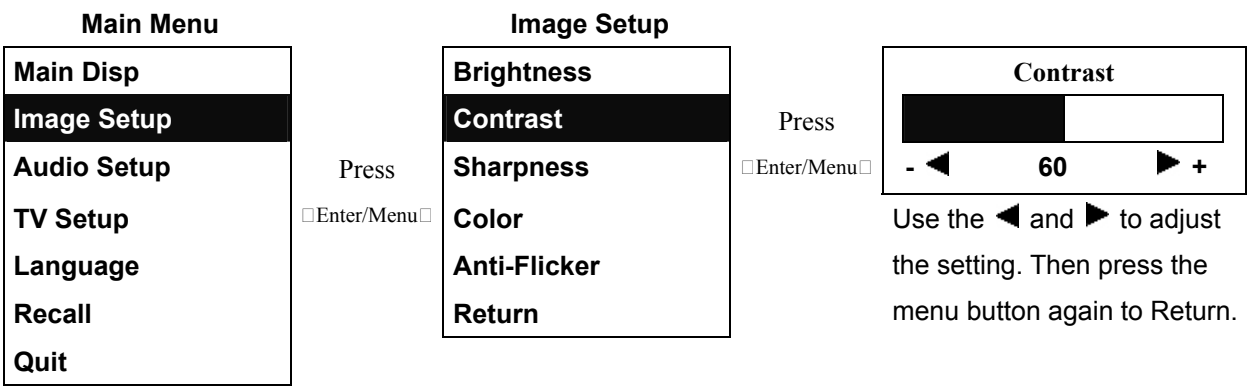
NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

All values on the gauge bar only for reference. For actual values please refer to factory defaults.

Image Setup Operating Instructions - Contrast

Level1 Level2 Level3 / Function

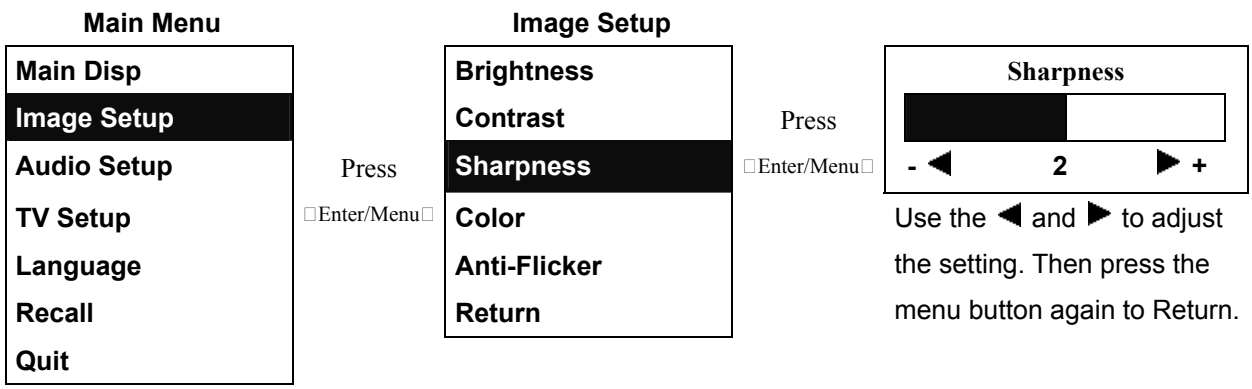


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Image Setup Operating Instructions - Sharpness

Level1 Level2 Level3 / Function

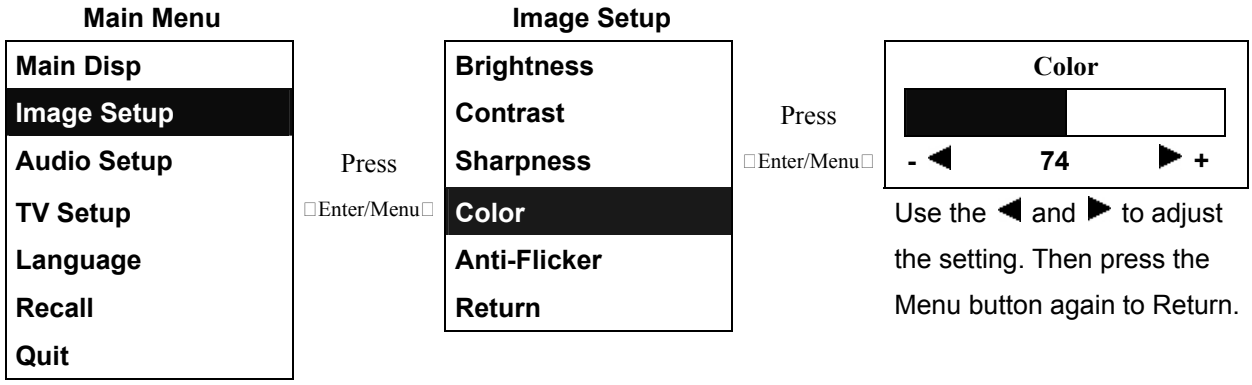


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Image Setup Operating Instructions - Color

Level1 Level2 Level3 / Function

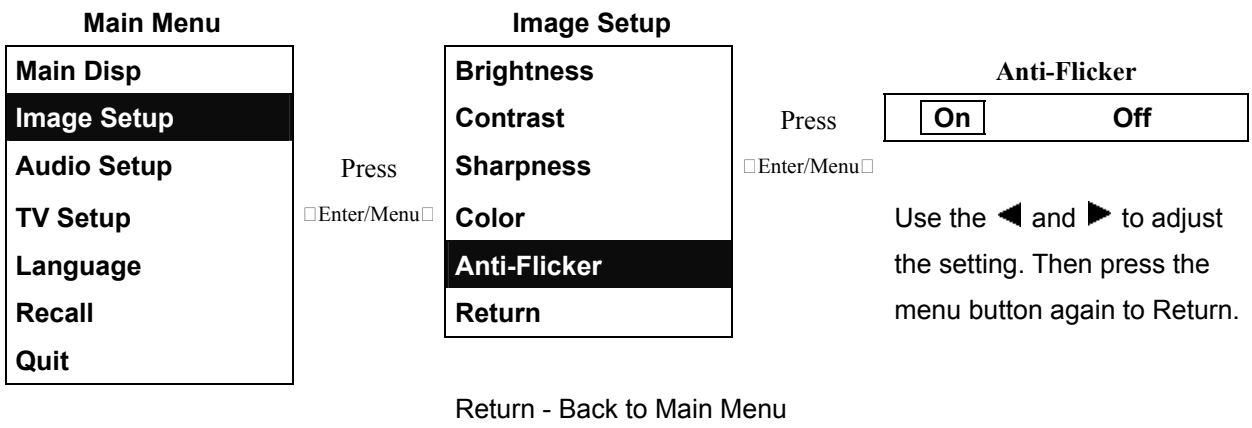


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Image Setup Operating Instructions - Anti-Flicker

Level1 Level2 Level3 / Function



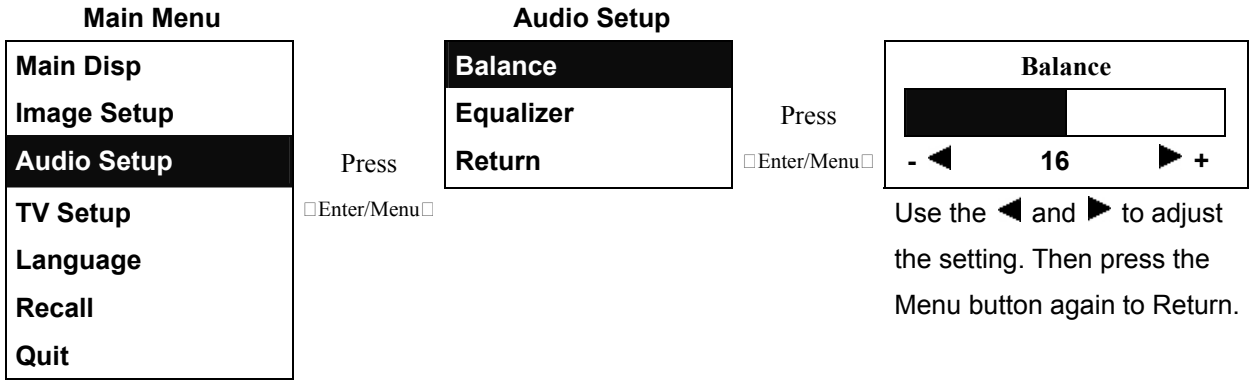
Return - Back to Main Menu

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Audio Setup Operating Instructions - Balance

Level1 Level2 Level3 / Function

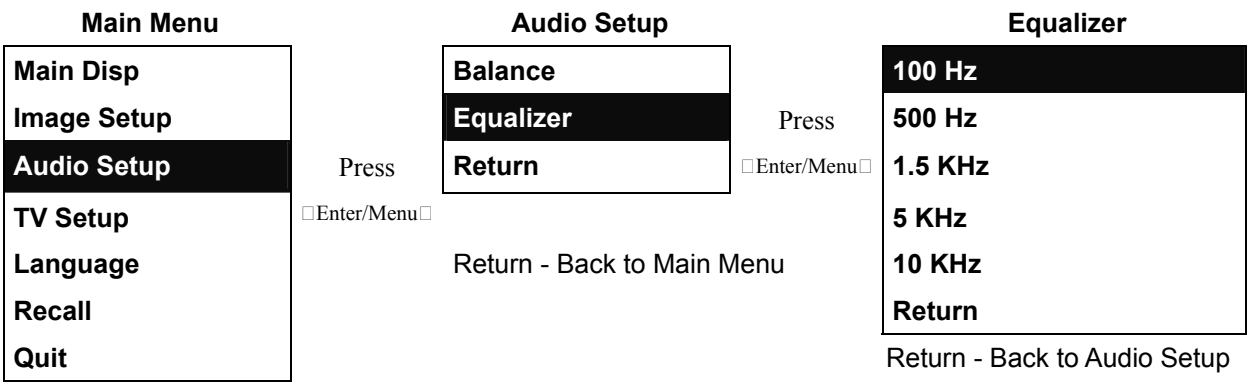


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Audio Setup Operating Instructions - Equalizer

Level1 Level2 Level3 / Function

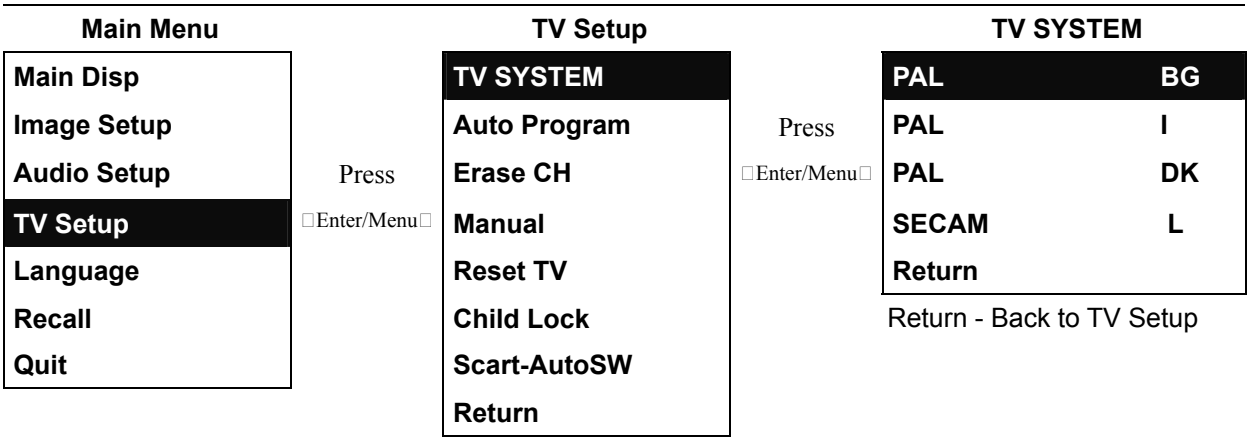


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – TV SYSTEM

Level1 Level2 Level3 / Function



NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Program

Level1 Level2 Level3 / Function

Main Menu		TV Setup		Auto Program
Main Disp		TV SYSTEM		No Yes
Image Setup		Auto Program	Press	Use the ◀ and ▶ to adjust
Audio Setup	Press	Erase CH	□Enter/Menu□	the setting. Then press the
TV Setup	□Enter/Menu□	Manual		Menu button again to Return.
Language		Reset TV		You can also Program the TV channels by
Recall		Child Lock		using Auto Scan button on Remote
Quit		Scart-AutoSW		Control.
		Return		Operation□Press Auto Scan button.
				Yes□Press Enter
				No□Press Exit/Stereo

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Erase CH

Level1 Level2 Level3 / Function

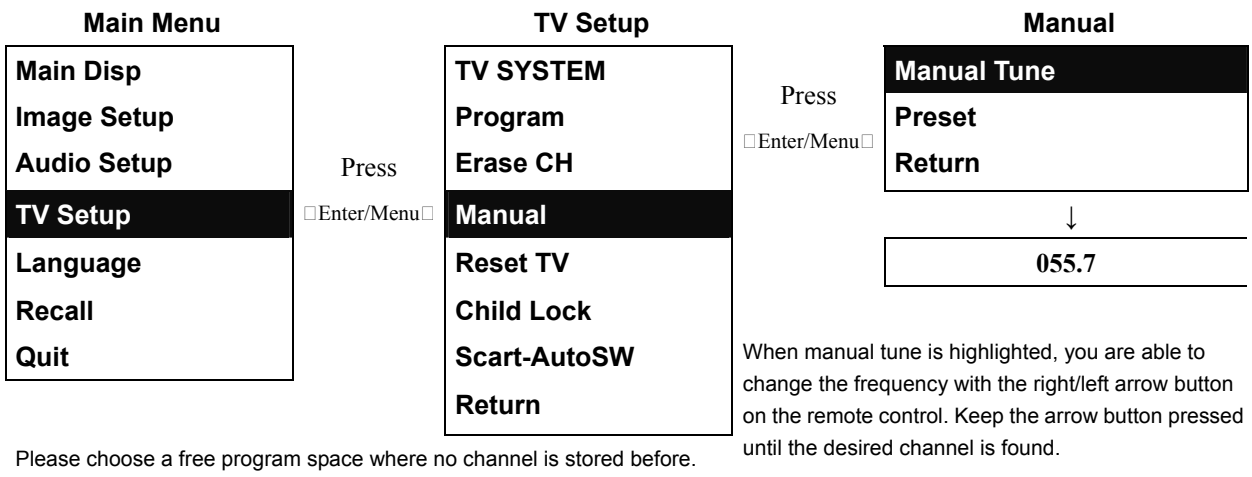
Main Menu		TV Setup		Erase CH
Main Disp		TV SYSTEM		No Yes
Image Setup		Auto Program	Press	Use the ◀ and ▶ to adjust
Audio Setup	Press	Erase CH	□Enter/Menu□	the setting. Then press the
TV Setup	□Enter/Menu□	Manual		Menu button again to Return.
Language		Reset TV		This function can erase the channel, which is
Recall		Child Lock		being viewed. Once erase, all channels after
Quit		Scart-AutoSW		the deleted one automatically advance one
		Return		step. For example, if you erase channel 3 then
				channel 1 and channel 2 will remain the same,
				however channel 4 will become channel3,
				channel 5 will become channel4 and so on.

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Manual – Manual Tune

Level1 Level2 Level3 / Function



Please choose a free program space where no channel is stored before.

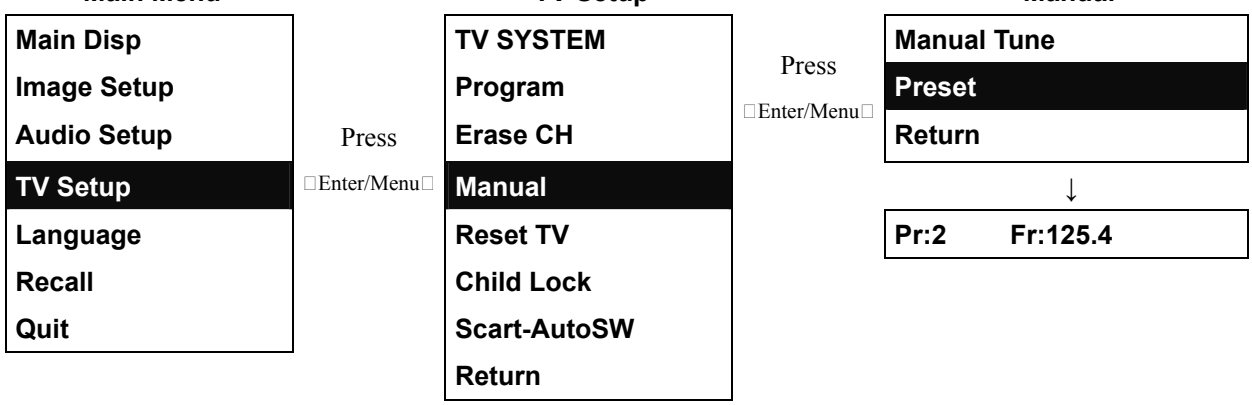
When manual tune is highlighted, you are able to change the frequency with the right/left arrow button on the remote control. Keep the arrow button pressed until the desired channel is found.

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Manual - Preset

Level1 Level2 Level3 / Function



If you select the Preset Function in the manual menu a small windows will appear on the screen which shows the frequency□e.g. Fr:125.4□TV channel NBC□□and the program position on the list□e.g. Pr:2□It is possible to change the NBC TV channel using the number button on the remote control.

After that the program position is marked from green into blue. Then it is possible to change the program place from 2 to 1 with the left/right arrow button on the remote.

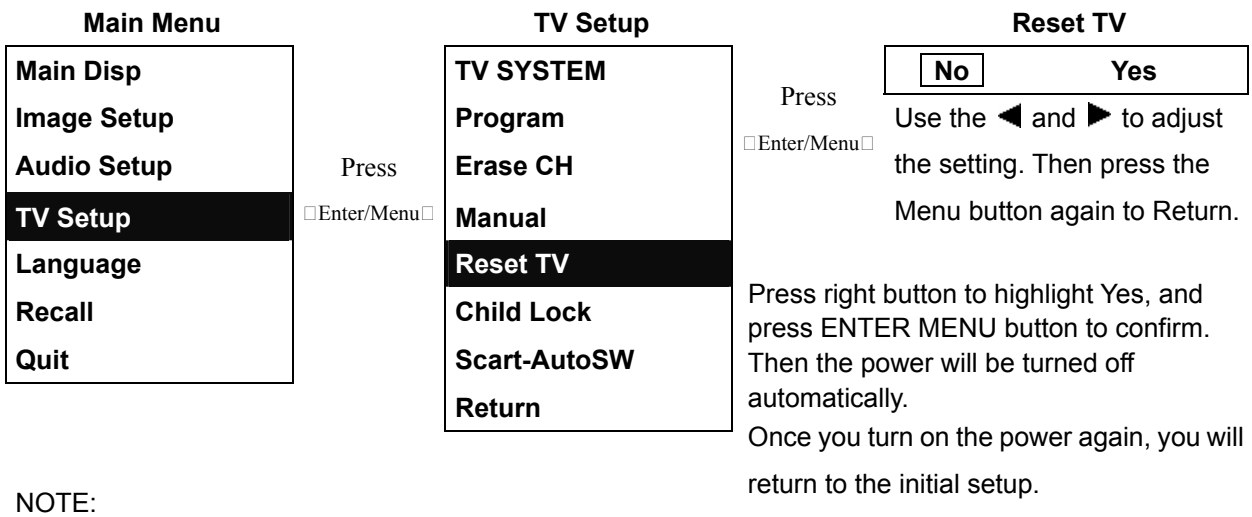
By pressing the ENTER MENU button on the remote control again, the program place number marked from blue into red. Then you press the left/right arrow button to save the removed channel [NBC] on the new program space (01).

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Reset TV

Level1 Level2 Level3 / Function

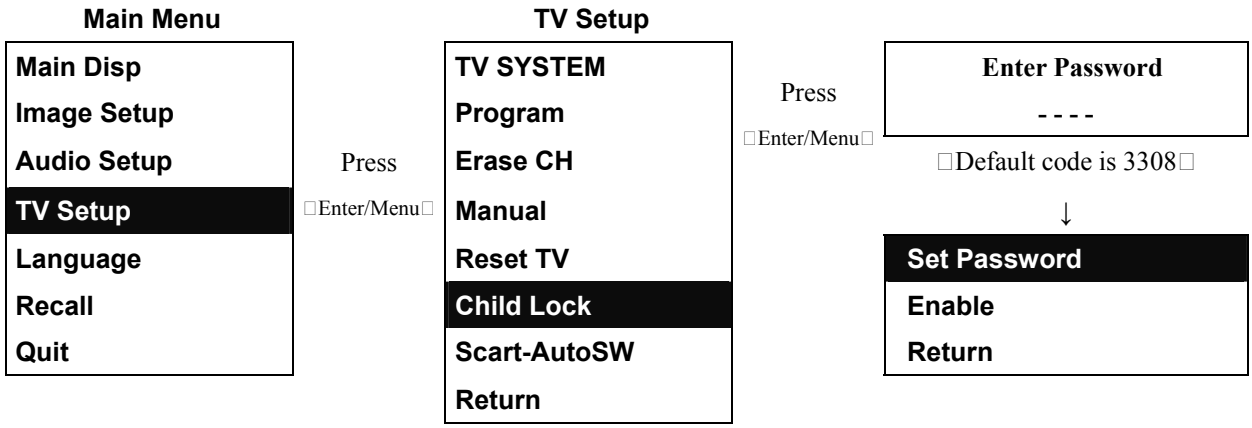


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions – Child Lock

Level1 Level2 Level3 / Function

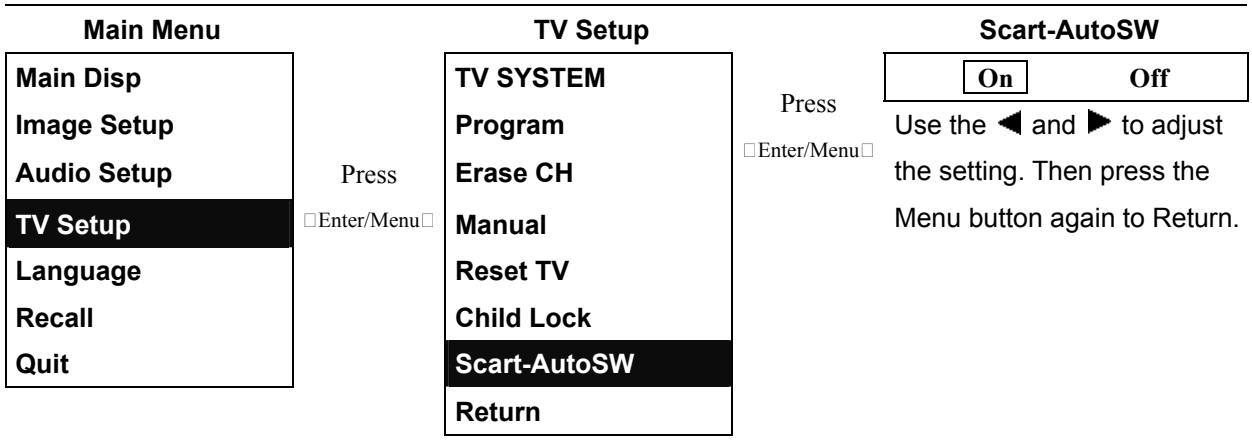


NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

TV Setup Operating Instructions –Scart-AutoSW

Level1 Level2 Level3 / Function



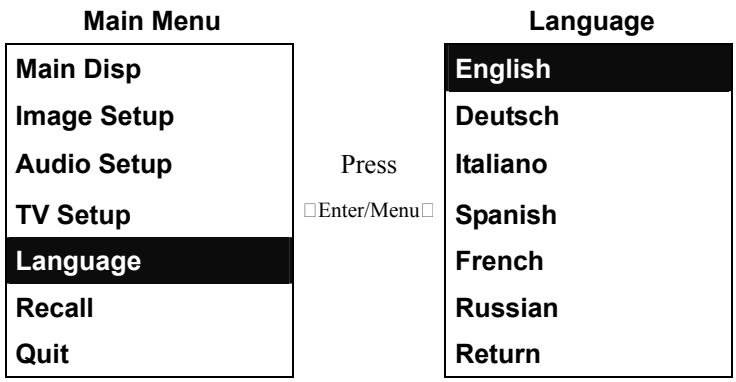
NOTE:

Return - Back to Main Menu

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Language Operating Instructions

Level1 Level2



Return - Back to Main Menu

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Recall Operating Instructions

Level1 Function

Main Menu

Main Disp
Image Setup
Audio Setup
TV Setup
Language
Recall
Quit

Automatically reset setting to factory defaults.

Press

□Enter/Menu□

NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

Quit Operating Instructions

Level1 Function

Main Menu

Main Disp
Image Setup
Audio Setup
TV Setup
Language
Recall
Quit

Quit – Exit the on-screen-menu controls

Press

□Enter/Menu□

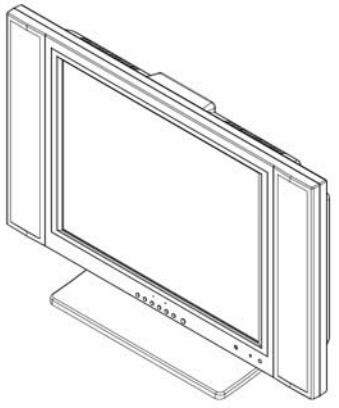
NOTE:

Use the ▲ and ▼ to move between the options, Then press the Menu button again to confirm.

4.Reference

LCD Monitor Display Angle

Vertical : Up 30° / Down 5°



Troubleshooting

Please use the following table to resolve the most common possible causes of the problem before calling service personnel. A minor adjustment may eliminate the problem and restore your TV reception.

Symptom	Corrective Actions
No picture screen	1.Check that power is turned on, or that power adapter lamp is lit. 2.Adjust brightness and contrast. 3.Check input signal of TFT-LCD. 4.Check the power connection to the unit with screen. 5.Check Main Display selection.
Picture is not clear	1.Check that Video cable is plugged in. 2.Refer to the Picture Adjustments Menu in the **OPERATING INSTRUCTIONS**.
Image is fuzzy	1.the power could be failing, try connecting the unit to another power outlet. 2.Move unit a way from the magnetic equipment, such as Wireless Receiver, AC Transformer, …etc. 3.Refer to the Picture Adjustment Procedure Menu in the **OPERATING INSTRUCTIONS**.
Colors are distorted	Check that the Video cable is plugged in securely.
Screen bounces or has wavy oscillations	1.Check Video input range□V-sync□Max.60Hz, H-sync□Max.48.08KHz □ 2.Make sure Video cable connections are secure.
No sound	1.Check speaker line connections. 2.Sound might be muted, try adjusting the volume.
Only one speaker operates	1.Check audio wire connections with source device. 2.Check the unit's speaker wires are securely connected.
Remote Control inoperative	1.Check for light or obstacle interference with remote control signal and move unit to another location. 2.Batteries are dead; replace batteries with new ones.
Poor Picture Reception and / or Poor Sound Quality	From TV SETUP mode, select the appropriate setting and Rerun AUTO PROGRAM.
When all else fails Reset the firmware	Turn off power. Press and hold the VOL+ button and VOL- in front of the unit then press the MENU button at the same time. For five seconds and release.

If the unit does not operate normally, after the operating instructions were followed. And the troubleshooting section did not help refer to dealer or qualified service personnel.

5.APPENDIX

Specifications:

Specifications

Model No.	**LT 2033**
LCD Panel	20.1” TFT-LCD Color Display
Pixel Number	1,440,000 pixels RGB
TV System	RF PAL System Only
Total Display Colors	TV CCIR Standard System-Multi-PAL
TV Function	TV Auto-install Channel
	Stereo Audio
	TV Remote Control
	Auto-scanning for full channels
	Teletext
Brightness	500 cd/m^2
Scanning Backlight Life	50,000 hr
Viewing Angle	H-Position 160° V-Position 160°
Audio Amplifier	3W × 2
Input Terminal AV Input	Terminal Input AV, S-Video, Componet□Y Cb Cr□ Composite, SCART
ANT	DIN
H/P□earphone□	3.5Φ Hole
Display Language	English / German / Italian/Spanish/French
Power Adapter	AC Input 100 – 240V DC Output 12V / 5.0A
Enclosure	Remote Control, Batteries, Power Transformer Cord, User’s Manual Warranty Card